

## AIR300 RFID Reader – The mobile Windows Solution

The RFID reader AIR300 is an integrated RFID reader head for the generation 2 to 4 of the mobile computer WORKABOUT PRO by PSION and MOTOROLA. The reader combines the reading of ISO 11784/11785 transponders with the flexibility and mobility of a ruggedized portable computer based on Windows CE and Windows Mobile with

optional Wi-Fi, GPRS, GPS and Barcode. In addition the AIR300 can R/W transponders compatible to ISO14223.

Due to the convenient one-hand operation it is the ideal solution for all applications that require many data like at breeding, dairy operation, transport or veterinarian services.



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## Advantages of AIR300

- Designed to easily fit into the WORKABOUT PRO Handheld Computer Generation 2 to 4 from PSION and MOTOROLA.
- Fully compliant to ISO Standards 11784/11785 and the new advanced Transponders according to ISO14223
- Offers convenient data collection with flexibility and mobility of a rugged portable computer. Light weight guarantees highest operating comfort.
- Comprises a S/W configurable interface to the WORKABOUT PRO
- The configurable interface enables the use of transponder data in Windows CE or Windows Mobile application.
- A Software Development Kit (SDK) for the Microsoft Compact Framework v2.0 is available. The Keyboard-Wedge software allows simple integration into existing programs.
- Wide variety of accessories provided by PSION, MOTOROLA and AGRIDENT allows the combination of RFID with different features, i.e. Barcode, WIFI, ext. antenna, etc.
- Co-existence with WWAN (GSM/UMTS) and GPS (with WAPro generation 4 only)

- Built-in Push-Pull connector allows use and easy plug-in of an external antenna (AEA series). This makes true distance reading possible.

Picture:  
WAPRO with AIR300  
and AEA580



## Technical Data of AIR300

<b>Frequency</b>	134.2 kHz
<b>Transponder types</b>	HDX and FDX-B compliant to ISO 11784/5
<b>Read range</b>	<b>Internal Antenna (typical values)</b> 24 cm with HDX transponders (30 mm Ø) 20 cm with FDX-B transponders (30 mm Ø)  <b>External Antenna (typical values)</b> 26 cm with HDX transponders (30 mm Ø) 22 cm with FDX-B transponders (30 mm Ø)
<b>Read cycles</b>	min. 2000 cycles based on battery power provided by WAPro
<b>Interfaces</b>	Internal USB connector Plug for external antenna
<b>Power supply</b>	Powered via WORKABOUT PRO's internal power supply
<b>Protection Class</b>	IP65
<b>Operating Temp.</b>	-20 to +60°C, -4 to +140° Fahrenheit
<b>Storage Temp.</b>	-30 to +80°C, -22 to +176° Fahrenheit
<b>Dimensions</b>	L x W x H: 126 x 98 x 36 mm (AIR300 only)  Dimension of WORKABOUT PRO depends on WAPro model and Accessories used
<b>Weight</b>	Approx. 120 g (AIR300 only) Approx. 620 g with WAPro-G4 Short
<b>Approvals</b>	ICAR Conformance Test concerning ISO24631-2, CE, FCC, IC

## Accessories for AIR300

- **AEA580** External stick Antenna